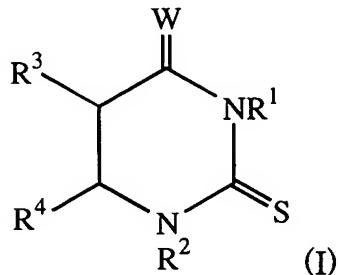


Claims

1. A composition comprising:

(a) from 0.1% to 20% of at least one cyclic thiourea compound of formula I:



wherein W is O or S; R<sup>1</sup> and R<sup>2</sup> independently are hydrogen, alkyl, alkenyl, aryl or aralkyl; R<sup>3</sup> and R<sup>4</sup> independently are hydrogen, alkyl, alkenyl, aryl or aralkyl, or R<sup>3</sup> and R<sup>4</sup> groups combine with ring carbon atoms to which they are attached to form a five- to seven-membered heterocyclic ring; and

(b) a lubricating oil.

2. The composition of claim 1 in which W is O, and R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> independently are hydrogen, alkyl, alkenyl, aryl or aralkyl.

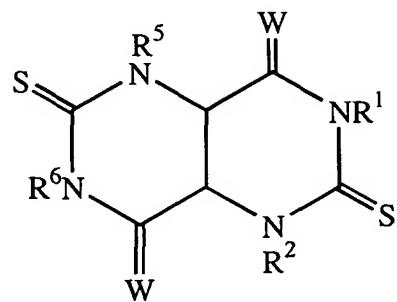
3. The composition of claim 2 in which R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> independently are hydrogen or alkyl.

4. The composition of claim 3 in which at least one of R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> is C<sub>6</sub>-C<sub>22</sub> alkyl.

5. The composition of claim 1 in which W is S, and R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> independently are hydrogen, alkyl, alkenyl, aryl or aralkyl.

6. The composition of claim 1 in which R<sup>3</sup> and R<sup>4</sup> groups combine with ring carbon atoms to which they are attached to form a five- to seven-membered heterocyclic ring.

7. The composition of claim 6 in which the cyclic thiourea has formula



wherein R<sup>5</sup> and R<sup>6</sup> independently are hydrogen, alkyl, alkenyl, aryl or aralkyl.

8. The composition of claim 7 in which W is O, R<sup>1</sup> and R<sup>6</sup> are the same, and R<sup>2</sup> and R<sup>5</sup> are the same.

9. The composition of claim 8 in which R<sup>1</sup> and R<sup>2</sup> independently are hydrogen or alkyl.

10. The composition of claim 9 in which at least one of R<sup>1</sup> and R<sup>2</sup> is C<sub>6</sub>-C<sub>22</sub> alkyl.